

## Test Report No. 6989/VNL

Test Laboratory : VEIKI-VNL Electric Large Laboratories Ltd.  
H-1158 Budapest, Vasgolyó u. 2-4  
HUNGARY  
Telephone: +36 141 73157  
Fax: +36 141 73163  
www.vnl.hu

Client : GERSAN ELEKTRIK Tic. ve San. A.Ş.  
Tuzla Mermerciler Organize Sanayi Bölgesi Gazi Bulvari  
No:37-39-41 P.K.:57 34953  
Tuzla-Istanbul  
TURKEY

Manufacturer : GERSAN ELEKTRIK Tic. ve San. A.Ş.  
Tuzla Mermerciler Organize Sanayi Bölgesi Gazi Bulvari  
No:37-39-41 P.K.:57 34953  
Tuzla-Istanbul  
TURKEY

Test object : Busbar Trunking System  
Type designation : GS COMPACT GS-A/GS-C  
Date(s) of test(s) : 26.07.2012  
Date of receipt : 22.05.2012  
Test specifications : IEC/EN 60439-2: Ed.3.0 (2000) + A1 (2005)  
IEC 61439-6: Ed.1.0 (2012)

Test results : The tested busbar trunking system met the requirements of the relevant standard.  
8.2.7 Verification of degree of protection – PASSED

The Record of Proving Test consists of :

5 pages LOVAG test report forms	- oscillograms
- other pages	1 drawing
- diagrams	2 photographs

Date of issue : 04.10.2012 Responsible Test Laboratory

Signatures:

.....  
/ Lajos Tóth /  
Responsible for the test

.....  
/ Péter Szél /  
Supervised by

.....  
/ Tibor Tóth /  
Responsible observer

.....  
/ Dr. László Varga /  
Managing director

Note:

The test results relate only to the items tested.  
The test report shall not be reproduced except in full  
without the written approval of the test laboratory.



## Description and characteristics of the test object

### Characteristics

a)	Manufacturer's name or trade mark	:	GERSAN
b)	Type designation	:	GS COMPACT GS-A/GS-C
c)	Specification(s)	:	IEC 60439-2
d)	Type of current	:	AC
dd)	Rated frequency	:	50 Hz
e)&g)	Rated operational voltage $U_e$		1000 V
	Main circuit	:	
	Auxiliary circuit	:	
f)&g)	Rated insulation voltage $U_i$		1000 V
	Main circuit	:	
	Auxiliary circuit	:	
f)&g)	Rated impulse voltage $U_{imp}$		-
	Main circuit	:	
	Auxiliary circuit	:	
h)	Limits of operation	:	5 % overload only
j)	Rated current	:	all rating
l)	Degree of protection	:	IP X8 (with epoxy resin filling)
m)	Measures for protection of persons	:	Skilled persons and marking
n)	Service conditions	:	Disconnection from supply
	pollution degree	:	3
o)	Type of earthing system	:	TN-C
r)	Form of internal separation	:	FORM-4
s)	Types of electrical connections of functional units	:	by bolts
t)	Environment <b>A or B</b>	:	A
u)	Resistance, reactance and impedance		
		R :	-
		X :	-
		Z :	-
v)	Resistance, reactance and impedance values of the system under fault conditions		
		R :	-
		X :	-
		Z :	-

## CONFIGURATION OF THE ASSEMBLY:

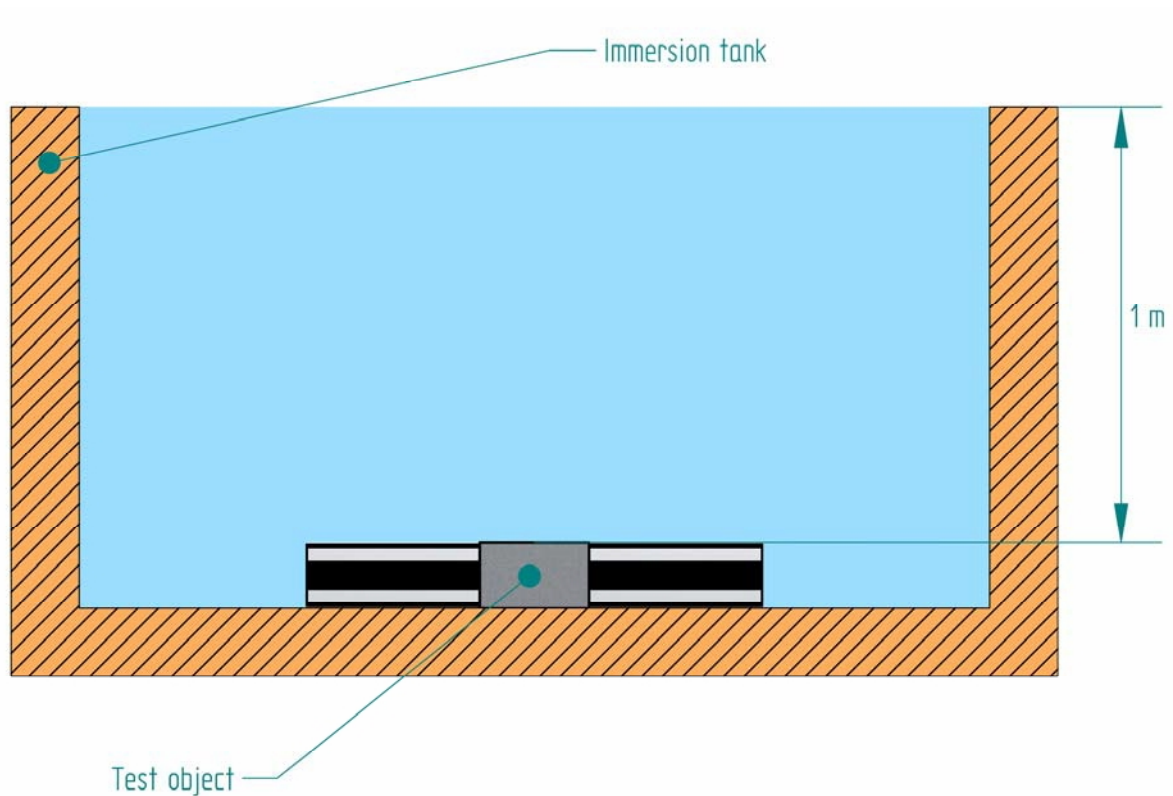


Figure 1  
Test arrangement of IP coding test





Photo 1

Preparation of polyurethane resin filling inside the bolted joint



Photo 2

Test object after the water penetration test

Test laboratory: IV 01

VEIKI-VNL Ltd.  
H-1158 Budapest, Vasgolyó u. 2-4  
HUNGARY

TRF IEC/EN 60439-2  
Ed. 3.1 form 28

Authorized Representative

04.10.2012  
Date

